

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: : Confirmation No.: 2283
: :
Cosatto et al. : Attorney Ref.: 2000-0042-CON
: :
Serial No.: 10/662,550 : Art Unit: 2628
: :
Filed: September 15, 2003 : Examiner: Daniel F. Hajnik
: :

FOR: AUDIO-VISUAL SELECTION PROCESS FOR THE SYNTHESIS OF PHOTO-
REALISTIC TALKING-HEAD ANIMATIONS

AFFIDAVIT UNDER 37 CFR 1.131

Honorable Commissioner of Patents & Trademarks

Alexandria, VA 22314

Dear Sir:

I, Wendy Koba, being duly sworn, depose and state:

1. I prepared, drafted, and filed patent application 2000-0042, now issued as U.S. patent 6,654,018, filed 29 March 2001. Application 2000-0042 is the parent of the above-identified patent application.
2. Exhibit #1 is a handwritten listing of projects I billed out between 12 June 2000 and 29 March 2001.
3. Exhibit #2 is a set of email correspondence between AT&T, Eric Cosatto, and me between April 2000 and March 2001.

4. On 5 April 2000, I received a letter from Ann E. Taylor of the AT&T Intellectual Property group with instructions to prepare and file the application 2000-0042 within 6 months, or roughly by October 5, 2000. See Exhibit #2, page 2.
5. On 11 April 2000, I sent a letter to inventor Eric Cosatto acknowledging that the patent submission had been assigned to me. See Exhibit #2, page 3.
6. On 17 July 2000, I sent a letter to Eric Cosatto acknowledging a publication date of Eric Cosatto's paper on August 1, 2000. See Exhibit #2, page 4.
7. On 24 August 2000, Eric Cosatto wrote me an email requesting the status of the application. See Exhibit #2, page 4.
8. On 2 October 2000, I wrote an email to Eric Cosatto explaining that two "emergency" cases had taken priority over Eric Cosatto's application. See Exhibit #2, page 5.
9. On 8 November 2000, Eric Cosatto wrote me an email requesting a status update of the application; see Exhibit #2, page 5.
10. In mid-November 2000, my son was diagnosed with Type I diabetes. I spent several weeks attending to this matter.
11. In December 2000, AT&T "paced" filings in Dec. to hit a specific number.
12. On 2 March 2001, I wrote an email to Eric Cosatto with the application draft. See Exhibit #2, page 6.
13. Later on 2 March 2001, Eric Cosatto wrote me a letter with a revised version of the application draft. See Exhibit #2, page 7.

14. On 14 March 2001, I sent Eric Cosatto an email including the application, drawings, and signature papers for filing the patent application. See Exhibit #2, page 8.
15. On 19 March 2001, Eric Cosatto wrote a letter to the other inventors with the final draft of the application. See Exhibit #2, page 9.
16. On 26 March 2001, inventor Gerasimos Potamianos wrote an email to Eric Cosatto indicating that assignment papers were sent. See Exhibit #2, page 10.
17. On 29 March 2001, I wrote an email to Ann E. Taylor indicating that application was filed. See Exhibit #2, page 11. The application was filed 29 March 2001 and assigned Appl. No. 09/820,396.

All the statements made herein are true and are made on information believed to be true; and further these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Wendy W. KoBa
Wendy KoBa Reg. No. 30509
15 May 2009
Date

Application/Control Number: 10/662,550
Art Unit: 2628

Docket No.: 2000-0042-CON

EXHIBIT #1

P.O. # - Lucent WSG:1858

TAX I:D # 23-2985L3:

1401	6/12 Esfambouchi 45-23 (ATT-0105) Issue fee paid	1424 95	7/10 ✓
1402	6/13 Gaechter 2-5-2 (ATT-0130) Jap. off. Am.	35525	7/11 ✓
1403	6/14 Broutin 27-65 (LUC-0212) IDS b/11	20000	7/12 ✓
1404	6/14 Dantavas 39 (LUC-0119) Amend	101795	7/20 ✓
1405	6/17 Chakrabarti 12-4 (LUC-0110) Appeal Brief	281995	7/31 ✓
1406	6/19 Bowler 6 (ATT-0117) Can. Amend	50034	7/20 ✓
1407	6/19 Farber 1-2-2-1 (ATT-0198) Mex. Amend	92090	7/20 ✓
1408	6/20 Bung 0801 (ATT-0171) US filing (Mngd)	603345	8/14 ✓
1409	6/23 Chakrabarti 24 (LUC 0213) IDS	20000	8/13 ✓
1410	6/25 Chakrabarti 25 (LUC 0214) IDS	20000	8/13 ✓
1411	6/29 French 5-4-9 (LUC-0121) US Amend	71920	8/13 ✓
1412	6/30 Christodoulides 1-29-1-1 (LUC-0219) US filing	553275	8/14 ✓
1413	7/3 Condie 0314 (ATT-0182) US filing	676345	8/19 ✓
1414	7/5 Kempsky 2 (LUC-0120) US Amend	121495	8/17 ✓
1415	7/5 Condie 0314- (ATT-0183) US filing	675545	8/14 ✓
1416	7/11 Esfambouchi 113522 (ATT-0123) US Amend	101900	8/15 ✓
1417	7/14 Korn 1999-0433 (ATT-0193) US filing	601915	8/14 ✓
1418	7/18 Mex-0100 (Tenten-Ek 1) US pur filing	49850	7/24 ✓
1419	7/18 Mex-0101 (Tenten-Ek 2) US pur. filing	48675	7/24 ✓
1420	7/18 Beigmann 38 (LUC-0164) US Amend	51375	8/14 ✓
1421	7/19 Cranford 112392 (ATT-) us Amend	81800	8/22 ✓
1422	7/21 Rodice (GI-0100) US Amend	41295	8/21 ✓
1423	7/21 Carrwell 3-12 (ATT-0149) US Amend	91675	8/22 ✓
1424	7/25 Gaechter 2 (ATT-0130) Jap. Amend	60845	8/20 ✓
1425	7/25 Broutin 22-65 (LUC-0215) IDS	20000	8/28 ✓
1426	7/27 Garren 2-EUR (ATT-0105) Eur. opposition	40140	8/15 ✓
1427	7/31 LaPorta 3-3 India (ATT-0158) India	60140	8/15 ✓
1428	8/1 Di'Amato 1-... (ATT-0139) EPC OA	100725	8/15 ✓
1429	8/2 Day 1 (LUC-0186) US Amendment	61745	8/13 ✓
1430	8/2 Anderson 1 (LUC-0220) US filing from prov.	203275	8/16 ✓

Lucent P.O. # W8011858

80345

Tax I.D.# 23-2986631

7/10 ✓	1432 Civanlar 113551 (ATT-014) IDS bill	300 00	9/5 ✓
7/11 ✓	1433 8/7 Joyce 7 (LUC-0116) US Amend. final	81495	9/13 ✓
7/20 ✓	1434 8/7 Bruno 9 (ATT-0185) EPC Amend	80290	9/11 ✓
7/20 ✓	1435 8/7 Gutierrez 1 (ATT-0201) EPC Amend	70675	9/13 ✓
7/31 ✓	1436 8/7 Radice D995 (GI-0100) Notice of Appeal	311 75	8/31
7/20 ✓	1437 8/9 Delavaux 24 (LUC-0124) Amend. (US)	71495	9/13 ✓
7/20 ✓	1438 8/9 Lee 33-15 (LUC-0189) Eur. Amend	60140	9/13 ✓
8/14 ✓	1439 8/10 Furman 2 EPC (ATT-0202) Eur. Amend	40460	9/13 ✓
8/3 ✓	1440 8/21 Christodoulides 2-30-2-2 (LUC-0221) filing	603275	11/1 ✓
8/13 ✓	1441 8/22 La Porta 4-4 India (ATT-0159) Amendment	60350	9/20 ✓
8/13 ✓	1442 8/22 Caldwell 3-13 (ATT-0149) Notice of Appeal	51495	9/20 ✓
8/19 ✓	1443 8/23 Merchant 32-48 (LUC-0157) US Amendment	141800	10/4 ✓
8/19 ✓	1444 8/23 Delavaux 27-3 (LUC-0215) IDS 3:11	20000	10/4 ✓
8/17 ✓	1445 8/23 D'Amato 1-- (ATT-0139) EPC OA	30725	9/28 ✓
8/14 ✓	1446 8/28 Sosian-Alvarado (LUC-0159) Korea OA	20295	10/4 ✓
8/15 ✓	1447 8/28 Wilson 7 (LUC-0222) US filing	602890	11/11 ✓
8/14 ✓	1448 9/30 Amer-Yahia 1999-0613 (ATT-0203) Pro.	117345	10/4
7/24 ✓	1449 8/31 Lopata 9-22 (LUC-0223) US filing	603190	10/23 ✓
7/24 ✓	1450 8/31 Lopata 10-23 (LUC-0224) US filing	603320	10/23 ✓
8/14 ✓	1451 9/5 D-2253 (formal drawings)	51000	10/16 ✓
8/20 ✓	1452 9/5 Civanlar 113551 (ATT-014) formal drawings	16400	10/4
8/31 ✓	1453 9/6 LaPorta 4-4 India (ATT-0159) Amend	20350	10/4
9/20 ✓	1454 9/13 Eslambolchi 49-27-3 (ATT-0113) fee	142495	10/16 ✓
9/20 ✓	1455 9/14 Eslambolchi 1999-0485 (ATT-0154) US And.	81195	10/16 ✓
8/28 ✓	1456 9/14 Stern 1999-0272 (ATT-0163) US filing from prov	575300	10/16 ✓
9/5 ✓	1457 9/14 D2340 (GI-0116) US filing (from prov)	494905	10/16 ✓
9/5 ✓	1458 9/19 Gray 2-3-2-7 (LUC-0173) US Amend	81755	10/16 ✓
9/5 ✓	1459 9/20 La Porta 3-3 (ATT-0158) India amend	62880	10/21 ✓
9/13 ✓	1460 9/20 Con Kie 1999-0394 (ATT-0182) IDS bill	20000	10/21 ✓
11/6 ✓	1461 9/20 Christodoulides 1-23-1 (LUC-0219) IDS bill	50000	11/6 ✓

*effective 10/1/00

Current P.O. # W8011858 - use W8034014

TAC ID # 23-2986631

1463 9/21 Turman 2 (ATT-0202) EPC Amend	50865	10/21 ✓	1
1464 9/21 Ma 18-27-43 (LUC-0225) Korean Amend	40500	11/6 ✓	1
1465 9/21 Chakrabarti 10-4 (LUC-0155) US Amend	51595	11/6 ✓	1
1466 9/25 Esfambashi 43-26 (ATT-0112) US Amend	131645	12/26 ✓	1
1467 9/26 Ma 18-28-2-44 (LUC-0226) Korean Amend	51590	11/6 ✓	1
1468 9/27 D2338 (C1-0117) US filing - from prov.	420555	10/25 ✓	1
1469 9/28 Steve Molak (S029) US filing	100000	12/26 ✓	1
1470 10/2 Ransijn 3 (LUC-0227) US filing	603670	11/20 ✓	10
1471 10/4 D2445 (S1-0100) Appeal brief	152175	11/8 ✓	11
1472 10/5 Korn 1999-0433 IDS bill ATT-0193)	40000	11/6 ✓	12
1473 10/6 Esfambashi 113320 US Amendment	51635	11/9 ✓	13
1474 10/6 Laforta 3-3 India (adj. invoice #1459)	7500	11/13 ✓	13
1475 10/6 Chakrabarti 4-2 (LUC-0156) US amendment	51710	11/19 ✓	13
1476 10/8 D-2234 (S1-0114) Not to File Missing Parts	29555	11/3 ✓	1
1477 10/18 Dautartas 39 (LUC-0110) US Amend	41635	11/23 ✓	10
1478 10/19 Indelli 7-1-3-3 (LUC-0215) Korean filing	30140	11/23 ✓	10
1479 10/19 Delavaux 20-2 (LUC-0227) filing for wgs	14180	11/2 ✓	10
1480 10/19 Strasser 34-24 (LUC-0190) file dags	1060	11/2 ✓	10
1481 10/19 Caldwell 3-1-3 (ATT-0149) Appeal brief	173285	11/16 ✓	10
1482 10/20 O'Neill 5000-5189/ATT-0189) US filing	603170	11/20 ✓	10
1483 11/1 Lee 12-21 (LUC-0151) Korean amend.	60460	11/28 ✓	10
1484 11/6 Mux-0102 filing prov application	49850	11/16 ✓	10
1485 11/6 Day 1 (LUC-0186) After-final Amend.	81655	11/29 ✓	10
1486 11/7 McEntee ATT-0158) US filing	503020	12/11 ✓	10
1487 11/8 Bauer 7 EPC (ATT-0125) EPC Amend.	60460	12/14 ✓	10
1488 11/8 Wilson 7 (LUC-0222) IDS bill	40000	2/4 ✓	10
1489 11/8 Lopata 9-22 (LUC-0223) IDS bill	30000	2/1 ✓	10
1490 11/8 Lopata 10-23 (LUC-0224) IDS bill	30000	2/2 ✓	10
1491 11/8 Harkey 7-2-20 (filing prov. Application)	69850	11/3 ✓	10
1492 11/8 Lee 6-1-34 Japan Amendment (LUC-0172)	80080	2/9 ✓	10

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14

Lucent P.O. # W8034014

Tax ID # 23-2986631

10/21 ✓	1493 12/5 Cox 1999-0767 (ATT-0171) US filing AT+T mngrd but we filed	673815	1/5 ✓
11/6 ✓	1494 12/5 Cox 1999-0767-1 (ATT-0178) US filing	674015	1/5 ✓
11/6 ✓	1495 12/6 Polak (POL-01) US filing (2nd.bill)	100000	13/28 ✓
11/26 ✓	1496 12/6 LaPorta 3-3 China (ATT-0158) Chinese Amend.	100460	2/61 ✓
11/6 ✓	1497 12/7 Strausser 34-24 EPO (LUC-0190) Amend	26060	2/9 ✓
10/25 ✓	1498 12/7 Stern 1999-0272 (ATT-0162) IDS bill	40000	2/61 ✓
10/29 ✓	1499 12/7 D 2340 IDS bill (GI-0116)	40000	1/62 ✓
11/20 ✓	1500 12/11 D 2487 (GI-0118) US filing	591155	12/28 ✓
11/8 ✓	1501 12/14 Burd 2-2-1-2-1-2 China (ATT-0201) 4S filing	60515	1/22 ✓
11/6 ✓	1502 12/19 Bergmann 38 (LUC-0164) Amend.	61695	2/10 ✓
11/9 ✓	1503 12/19 Ott-0100 filing provisional	13500	12/28 ✓
11/13 ✓	1504 12/20 D 2338 (GI-0117) IDS bill	30000	2/14 ✓
11/18 ✓	1505 12/20 Ransijn 8 (LUC-0227) IDS bill	20000	2/14 ✓
11/6 ✓	1506 12/21 Anselm 3-94-11 (LUC-0193) amendment	151795	2/6 ✓
11/8 ✓	2000		
11/28	1600 1/3 Bergmann 60 (LUC-0168) US amend	71735	2/24 ✓
11/28	1601 1/3 Bergmann 59-18-8 (LUC-0156) Reg	11575	2/24 ✓
11/28	1602 1/4 Dautartos 76-74 (LUC-0228) US filing	603200	2/24 ✓
11/28	1603 1/8 Bond 3-58-63 (LUC-0184) US amend.	51755	2/24 ✓
11/18 ✓	1604 1/8 Esfahani 113522 (ATT-0129) US amend	41830	2/8 ✓
11/20 ✓	1605 1/9 Shastri 3-8 (LUC-0118) Japan. amend.	40530	3/17 ✓
11/28 ✓	1606 1/10 Gupta 2000-0163 (ATT-0192) US filing	677630	2/9 ✓
11/10 ✓	1607 1/10 Gupta 1899-0282 (ATT-0175) US filing	677380	2/9 ✓
11/28 ✓	1608 1/11 Bangalore 2000-0634 (ATT-0202) US filing	673725	2/9 ✓
12/11 ✓	1609 1/16 Curto 1999-0175 (ATT-0196) US filing	662450	2/16 ✓
11/11 ✓	1610 1/16 Mizuhara 8-7 (LUC-0201) for. dug. filing	20540	2/17 ✓
2/9 ✓	1611 1/16 Gill 2-7 (LUC-0209) US filing	603870	3/17 ✓
2/9 ✓	1612 1/17 O'Neil 2000-0189 (ATT-0189) IDS bill	10000	2/16 ✓
2/9 ✓	1613 1/17 Weber 1 (LUC-0115) US Amendment	101795	3/17 ✓
✓	1614 1/22 Gauthier-Mont-Smith 20-32-4-2 (LUC-0220) US filing US Amend.	605475	3/17 ✓

Lucent P.O. # W8034014 (effective 10/1/00)
 Agere P.O. # MLF00066
 Tax ID No. 23-2986631

1616 2/3 Bergmann 38 (LUC-0144) US Amend.	61830	3/1
1617 2/4 Caldwell 3-13 (ATT-0147) US Amend.	41875	3/1
1618 2/4 DU 2-1-2-20 (LUC-0233) US filing	611450	3/1
1619 2/4 Kothandaraman 1 (LUC-0233) China Amend.	50550	3/1
1620 2/4 Kothandaraman 2 (LUC-0233) China Amend.	25550	3/1
1621 2/4 Kerman 26-2181-11-41-1 (LUC-0234) US filing	205740	3/1
1622 2/5 LaPorta 4-4 China (ATT-0152) China Amend	40490	3/2
1623 2/5 Hansen 20-1-1-19-19 (LUC-0235) US filing	205200	3/2
1624 2/1 Merchant 32-48 (LUC-0157) US Amend.	81795	3/2
1625 2/7 Chang 1-1-1 EPC (ATT-0126) Eur. Amend	60500	3/2
1626 2/7 LaPorta 4-4 EPC (ATT-0159) Eur. Amend.	70500	3/2
1627 2/7 Esimbolachi 113522 (ATT-0123) Notice of Appeal	63575	3/2
1628 2/8 Madsen 13 (LUC-0213) US filing	304085	3/2
1629 2/8 Erdogan 12-42-7 (LUC-0212) US filing	303600	3/2
1630 2/8 Esimbolachi 47-25-2 (ATT-0111) Issue Fee	145630	3/2
1631 2/20 Gutierrez 106379 (ATT-0201) EPC Amend	75490	3/2
1632 2/20 Esimbolachi 43-26 (ATT-0112) After Final Amend.	61975	3/2
1633 2/20 Esimbolachi 43-26 (ATT-0112) Filing of C.I.P.	77100	3/2
1634 2/20 Campbell 1-1-1-1-3 (EPC) Review Text	30140	3/2
1635 2/20 Esimbolachi 43-26 Response to missing parts	57005	4/1
1636 2/20 Capasso 57 (LUC-0205) filing for drawings	21706	3/14
1637 2/20 Cox 1999-0171-1 (ATT-0178) IDS bill	15000	4/2
1638 2/20 Cox 1999-0171-1 (ATT-0178) IDS bill	15000	4/2
1639 2/20 Brandt 2000-0049 (ATT-0184) US filing	602075	4/2
1640 2/20 Chahrabandi 9-2 A3-3100 US Amend	61850	5/1
1641 2/20 Esimbolachi 13611 (ATT-0185) US Amend	52180	4/1
1642 2/20 LaPorta 4-4 EPC-0152 Eur. Amend	30500	4/1
1643 2/20 Farber 1-1-2-1-4 (ATT-0193) Eur. Amend.	80575	4/1
1644 2/20 Farber 1-1-2-1-4 (ATT-0193) Eur. Amend	30000	4/1
1645 2/20 Farber 1-1-2-1-4 (ATT-0193) Eur. Amend	15000	4/1
1646 2/20 Farber 1-1-2-1-4 (ATT-0193) Eur. Amend	25700	4/1

Lucent PO # W8034014 (effective 10/1/00)
 Agere PO # MLF 00066
 Tax I.D. No. 23-2986631

		DIRECT MNGD.		
3/17 ✓	1649 3/13 Chien 1999-0781 (ATT-0179) US filing	679350		4/17 ✓
3/26 ✓	1650 3/13 Civinlar 113551 (ATT-0141) for filing	211550		4/17 ✓
3/17 ✓	1651 3/15 Doverspike 2 (ATT-0116) Filing IDC in response to EUR. SEARCH	30000		4/17 ✓
3/17 ✓	1652 3/21 Alonso 1-15-9-80 (LUC-0236) EUR, AUSTRALIA, CAN, JAP FSR CORRESPONDENCE	\$1200		5/14 ✓
3/17 ✓	1653 3/21 D 2487 (G1-0118) Nat. to file Miss. Arts	40000		4/17 ✓
3/17 ✓	1654 3/21 Bindell 7-1-1-3-3 (AG-0215) Eur Amend.	25500		5/14 ✓
3/26 ✓	1655 3/26 Shastri 3-8 (AG-0118) Korea - Abandon	10300		5/18 ✓
3/17 ✓	1656 3/27 Eslambolchi 1999-0143 (ATT-0163) US filing	601000		4/30 ✓
3/23 ✓	1657 3/27 Dautartas 62 (AG-0191) US Amendment	32050		5/17 ✓
3/12 ✓	1658 3/28 Dautartas 76-74 (RG-0228) IDS bill	40000		5/18 ✓
3/12 ✓	1659 3/28 Fernando Taiwan 6-16 (AG-0300) Taiwan Amd.	20500		5/18 ✓
3/12 ✓	1660 3/29 Chen 1999-0782 (ATT-0180) US filing	680180		4/30 ✓
3/23 ✓	1661 3/29 Cosatto direct mgnd. 2000-0342 (ATT-0186) US filing	680830		4/30 ✓
3/23 ✓	1662 4/4 DiGirolamo 2000-0037 (ATT-0174) US Amd.	72425		5/7 ✓
3/17 ✓	1663 4/4 Gupta 2000-0163 (ATT-0192) IDS bill	20000		5/7 ✓
3/26 ✓	1664 4/4 Capasso 65 (LUC-0236) US filing	606525		6/7 ✓
3/26 ✓	1665 4/5 Eslambolchi 113522 (ATT-0123) Appeal	113075		5/14 ✓
3/16 ✓	1666 4/5 Dautartas 61 (AG-0196) US Amd.	62000		5/18 ✓
3/26 ✓	1667 4/5 Bangalore 2000-0034 (ATT-0209) IDS bill	30000		5/14 ✓
4/7 ✓	1668 4/9 Hong 22-12-19-9 (AG-0202) Singapore Response	10250		5/29 ✓
5/14 ✓	1669 4/9 Delavaux 27 (AG-0213) Foreign Filing	201950		5/29 ✓
4/2 ✓	1670 4/10 Gill 2-7 (AG-0229) IDS bill	30000		5/29 ✓
4/2 ✓	1671 4/11 Ahmad 1 EPC (ATT-0110) EUR Amend.	10490		5/14 ✓
4/2 ✓	1672 4/11 Gates 15-3-6 (LUC-0231) US filing	605200		6/29 ✓
5/7 ✓	1673 4/13 Ahmad 1 Japan (ATT-0114) Jap. Amend.	60940		5/21 ✓
4/7 ✓	1674 4/18 Dautremont-Smith 20-22-4-2 (AG-0230) IDS bill	10000		5/29 ✓
4/7 ✓	1675 4/19 Du 2-12-2-20 (LUC-0231) IDS bill	40000		6/29 ✓
4/7 ✓	1676 4/20 Coulter 2001-0103 (ATT-0217) Prov. Appl.	66630		5/29 ✓
4/7 ✓	1677 4/23 Ahmad 1 Japan (ATT-0110) 2nd. Amend.	49850		5/26 ✓
5/14 ✓	1678 4/23 Hansen 20-1-1-19-19 (LUC-0235) IDS bill	40000		7/16 ✓
4/17 ✓	1679 4/27 Jagadish 1999-0672 (ATT-0146) US filing	673900		5/30 ✓

Application/Control Number: 10/662,550
Art Unit: 2628

Docket No.: 2000-0042-CON

EXHIBIT #2

Message.Read

Page 1 of 2

Folder: Inbox

<	>	Delete	Forward	Reply	Reply All	Move To:	AT&T	▼
---	---	--------	---------	-------	-----------	----------	------	---

Date: Thu, 24 Aug 00 14:02PM MDT
From: "Eric Cosatto" <eric@research.att.com> [Add To Address Book](#)
To: <wendykoba@usa.net>
Subject: IDS No. 2000-0042
[More Details](#) [Print Preview](#)

Hi Wendy,

Just checking for news regarding this patent application.
Let me know where it stands. Thank you.

Eric.

Eric Cosatto <eric@research.att.com>
AT&T Labs - Research
Image Processing Software & Technology Research Dept.
Room 3-124, Red Bank, NJ 07701-7033, USA
Tel: ++1 (732) 345 3337 ; Fax: ++1 (732) 345 3032
WWW: http://www.research.att.com/info/eric

— Original Message —
From: <wendykoba@usa.net>
To: <eric@research.att.com>
Sent: Monday, July 17, 2000 7:55 AM
Subject: Re: [Re: photo realistic]

July 17, 2000

Eric,
The answer is "yes" – thanks for letting me know.
Usually, if it's a "rush" that info's included on what Tom
sends me – I sure he did and I just didn't realize it.
I'll read it over this AM and see if I can get a
"rea" patent together by the end of the week for you
review.
We can always file a provisional before the publication
date, but it's not my preferred way to work.
Wendy
"Eric Cosatto" <eric@research.att.com> wrote:
Hi Wendy,

I got word from Tom Restaino that the patent "Audio-Visual
Unit Selection
For Concatenative Synthesis Of Talking Head Animations"
(IDS No. 2000-0042)
was
sent to you for filing.

The publication date is August 1st. Do we need to have

Message.Read

Page 1 of 3

Folder: Inbox

< > Delete Forward Reply Reply All Move To: AT&T

Date: Wed, 08 Nov 00 14:11PM MST
From: "Eric Cosatto" <eric@research.att.com>
To: <wendykoba@usa.net>
Subject: Re: [Re: [Re: photo realistic]]
[More Details](#) [Print Preview](#)

Add To Address Book

Hi Wendy,

Can you update me on the progress of this patent. Thanks.

Eric Cosatto (PLEASE NOTE THE NEW ADDRESS)

Eric Cosatto <eric@research.att.com>
AT&T Labs - Research
Image Processing Software & Technology Research Dept.
Room A5-4F32, Middletown, NJ 07750, USA
Tel: ++1 (732) 420 9142 ; Fax: ++1 (732) 368 9475
WWW: <http://www.research.att.com/info/eric>

----- Original Message -----
From: <wendykoba@usa.net>
To: <eric@research.att.com>
Sent: Monday, October 02, 2000 7:24 AM
Subject: Re: [Re: [Re: photo realistic]]

October 2, 2000

Eric,

Hi – this email did get thru. For some unknown "net" reason, I had not been receiving about half my mail during August. I have two "emergency" cases to file for AT&T by Wed., then I will be getting back to your application. I know you presented your paper (and I think it was the same information I received for your application). If your paper was a newer/enhanced, etc. version, I'd appreciate a copy (email is fine).

Wendy
"Eric Cosatto" <eric@research.att.com> wrote:
Hi Wendy,

I havn't heard back from this. I sent you an email on 8/24 but I did not get any answer. Let me know if you receive this email. Thanks.

<http://www.netaddress.com/tpl/Message/S14KEVWAM/Read?Q...:-4&FolderID=-4&Sort=Dat> 11/9/00

Message.Read

Page 2 of 2

```
| Eric Cosatto <eric@research.att.com> |
| AT&T Labs-Research, Room AS-4F32 |
| Middletown, NJ 07748, USA |
| Tel: ++1 (732) 420 9142 ; Fax: ++1 (732) 368 9475 |
| WWW: http://www.research.att.com/info/eric |
```

----- Original Message -----
From: <wendykoba@usa.net>
To: <eric@research.att.com>
Sent: Friday, March 02, 2001 9:32 AM
Subject: Photo-realistic patent draft

March 2, 2001

Eric,

attached please find a draft, including claims,
for your application.

please review and forward comments to me in the
easiest manner for you -- email is fine, and so is
fax (fax # 610-346-8189).

thanks

Wendy

Get free email and a permanent address at <http://www.netaddress.com/?N=1>

cosatto 0042_c.doc (70K)

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Message 6 of 32 (OLD)

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Date: Fri, 02 Mar 01 15:04PM MST

From: "Eric Cosatto" <eric@research.att.com> [Add To Address Book](#)

To: <wendykoba@usa.net>

Cc: "Hans Peter Graf" <hpg@research.att.com>

Subject: Re: Photo-realistic patent draft

[More Details](#) [Print Preview](#)audio-visual
unit selection, features

Hi Wendy,

Please find attached a new version of the draft (no claims). Use "Track Changes" in Word to see the modifications.

Regarding the claims, I'd like to see the emphasis put on the "audio-visual unit-selection". This patent is about COMBINING audio features (namely the phonemes) and visual features (PCA+geometric features) in the unit-selection (viterbi search). So, claim 1 should reflect that.

The next major claim is the visual features. The innovation here is to COMBINE high-level features such as geometric sizes and position of elements (e.g. width, height of the lips, or pose of the head) with pixel-based, low-level features such as (but not limited to) PCA, wavelets.

Then comes the idea to NORMALIZE facial parts images in order to use these low-level features, which are otherwise very sensitive to image translation/rotation. The particular way of doing the normalization is prior art and should not be covered here.

Again, This technique is applicable not only to mouth images but to any facial part. Other facial parts may be labeled with other attributes than the acoustic information, such as the emotional expression. For example, for synthesizing animations of the eye area we can record eyes while a person expresses different emotions. This information, together with the metric describing the visual appearance is then used to produce an animated sequence. The claims should cover this as well.

Call me if you need more info. I'll be waiting for a new version of the claims.
Thanks a lot.

Eric Cosatto

feature s: o.
mouth w. phonemes
eye/eyebrows w/ emotion/expressions

Wendy W. Koba
Patents, Trademarks, & Copyrights
P.O. Box 556
Springtown, PA 18081

Courier Address:
Wendy W. Koba, Esq.
540 Summit Lane
Riegelsville, PA 18077

Telephone: 610-346-7112
Facsimile: 610-346-8189
Email: wendykoba@usa.net

Wednesday, March 14, 2001

Eric Cosatto
AT&T Corp.
Room A5-4F32
200 Laurel Avenue
Middletown, New Jersey 07750
Re: Cosatto 2000-0042 "Audio-Visual Selection Process for the Synthesis of Photo-Realistic Talking-Head Animation"

Dear Eric:

Enclosed are the formal papers (the "Assignment" and "Declaration") for you to "sign-off" on. You will need to get in touch with Hans Graf to make an appointment to sign the paperwork. I have enclosed a priority mailer for you to send the signed paperwork back to me. I have mailed copies of the formal paperwork directly to Gerasimos Potamianos and also Juergen Schroeter.

If you are satisfied with the application and drawings, please contact someone in the IP-Law group to make an appointment to "sign off" on the paperwork.

Please do not sign anything before meeting with someone there, since the Assignment must be notarized (the secretaries in the patent group are notaries).

If you have any questions, please do not hesitate to give me a call or send me an e-mail message.

Sincerely,

Wendy W. Koba

Enclosed: Assignment and Agreement
Declaration and Power of Attorney

Message.Read

Page 1 of 1

Folder: Inbox**Message 3 of 68 (NEW)**

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Date: Mon, 19 Mar 01 17:02PM MST

From: "Eric Cosatto" <eric@research.att.com> [Add To Address Book](#)

To: "Wendy Koba" <wendykoba@usa.net>

Cc: "Hans Peter Graf" <hpg@research.att.com>, "Juergen Schroeter" <jsh@research.att.com>, "Makis Potamianos" <gpotam@us.ibm.com>

Subject: AUDIO-VISUAL SELECTION PROCESS FOR THE SYNTHESIS OF PHOTO-REALISTIC TALKING-HEAD ANIMATIONS

[More Details](#) [Print Preview](#)

Hi All,

Here's the final draft for the patent. You should be receiving the assignments papers from Wendy Koba. Many thanks for your contributions.

Eric Cosatto.

[cosatto 0042_final.doc \(89K\)](#)

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Message 2 of 39 (OLD)

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Date: Mon, 26 Mar 01 17:16PM MST

From: "Gerasimos Potamianos" <gpotam@us.ibm.com> Add To Address Book

To: "Eric Cosatto" <eric@research.att.com>

Cc: wendykoba@usa.net, jsh@research.att.com, hpg@research.att.com

Subject: Re: AUDIO-VISUAL SELECTION PROCESS FOR THE SYNTHESIS OF PHOTO-
REALISTIC TALKING-HEAD ANIMATIONS

[More Details](#)

[Print Preview](#)

Hi Eric,

the patent document looks really good. I already sent out the assignment
papers to the lawyer.

Best regards,
-Makis

"Eric Cosatto" <eric@research.att.com> on 03/19/2001 07:01:00 PM

To: "Wendy Koba" <wendykoba@usa.net>

cc: "Hans Peter Graf" <hpg@research.att.com>, "Juergen Schroeter"

<jsh@research.att.com>, Gerasimos Potamianos/Watson/IBM@IBMUS

Subject: AUDIO-VISUAL SELECTION PROCESS FOR THE SYNTHESIS OF

PHOTO-REALISTIC TALKING-HEAD ANIMATIONS

Hi All,

Here's the final draft for the patent. You should be receiving the
assignments
papers from Wendy Koba. Many thanks for your contributions.

Eric Cosatto.

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WENDY W. KOBA, ESQ.
Patents, Trademarks & Copyrights
P.O. BOX 556
SPRINGTOWN, PA 18081

Telephone: 610-346-7112
Facsimile: 610-346-8189
E-mail: wendykoba@usa.net

Thursday, March 29, 2001

Ann E. Taylor
Outside Counsel Coordinator
AT&T Corp.
P.O. Box 4110
Middletown, NJ 07748

Re: *Cosatto 2000-0042 "Audio-Visual Selection Process for the Synthesis of Photo-Realistic Talking-Head Animations"*
My reference: ATT-0186

Dear Ann:

In accordance with your Outside Counsel Guidelines, enclosed please find a copy of the above-identified *direct-managed* application. This case was filed in the USPTO on **March 29, 2001**.

Sincerely,

Wendy W. Koba

Enclosures: Specification & Claims
Drawings (2 sheets)
Declaration & Associate Power of Attorney
Assignment & Agreement
Assignment Recordation Cover Sheet
Request for Non-Publication
Disk (2000.0042doc)

New Disclosure Information F6

Client / Division AT&T Labs
 Managing Attorney _____
 Working Attorney _____
 (If Working Attorney field is blank, use Managing Attorney)

AT&T Case AT&T Managed Case* Direct-Managed Case*
 *OC case - If undecided at the time of opening disclosure, leave blank

OC Firm / OC Attorney Wendy Koba (when approved for filing)

(Note: Unless the disclosure is already in the hands of an outside counsel firm, do NOT enter O/C Firm into the disclosure record until the disclosure is approved for filing by IPRT and sent to OC).

IPR Team: MM
 IPRT Technologies: (Primary Technology must match Team)
 Primary 3
 Secondary 2
 Tertiary _____

Ready for IPR Team Review Yes (Insert ITR date in Actions tab) No - Date Ready
 (Insert ITR date in Actions tab)

Owner/Assignee: AT&T Corp.

AT&T Wireless Services, Inc. - AWS or STG No. _____
 (Note: Call Ruby Tarr (425-702-3948) to obtain an AWS or STG number for all AT&T Wireless Services cases - Insert AWS/ STG Number in Tech./Other #s tab)

AT&T/ _____
 (Company or University sharing rights with AT&T)

Please provide the following information or supply it as an attachment to this form:

Title see attached

Brief Description see attached

Inventors see attached

Ann - see email
 for next.

Deadline Date (if any)

Optional Information to be provided:

Keywords: (Submit BEEF if not already in database) facial animation, talking heads, sample based image synthesis, computer vision, TTS, fulling needs
 Government Contract Number, if any: _____

Legal Secretary - complete:

- Copy of Disclosure sent to IPRT Coordinator Via Email Fax Interoffice Mail
- Copy of Wireless IPRT Disclosure sent to Rohini Garg Via Email Fax Interoffice
- E-Mail opening letter sent to inventor's E-level and copy to inventors



Ann E. Taylor
Intellectual Property - Law

Room E4-3B12
200 S. Laurel Avenue
Middletown, NJ 07748 U.S.A.
PHONE (732) 420-5622
FAX (732) 368-6932
Email: aetaylor@lga.att.com

April 5, 2000

Wendy W. Koba, Esq.
P.O. Box 556
Springtown, PA 18081

Dear Wendy:

RE: Docket No. 2000-0042
Title: "Audio-Visual Unit Selection For The Synthesis Of
Photo-Realistic Talking Heads"
Submitters: E. Cosatto; H. P. Graf; G. Potamianos; J. Schroeter

The above-identified submission has been approved for filing as a direct-managed case. Please prepare and file the formal application **within the next six months** and proceed with its subsequent prosecution as you deem best suited to protect AT&T's interests in this invention. The assignee is AT&T Corp. There will be **no foreign filing** of this application.

Enclosed are copies of the disclosure material from our folder and a list of work and home addresses for each of the inventors. Please make your initial contact with the inventors in the next two weeks. **Please confirm the proper inventorship of this invention.**

Relevant art determined by an electronic prior art search (less than one hour) should be identified for filing with the application.

Should questions arise requiring AT&T attorney input, please call the AT&T contact attorney, Thomas Restaino, at 908-221-5720. For instance, please contact Tom with your recommendation if a Final Rejection is received, has been discussed with the inventors, and an Examiner Interview is unsuccessful in resolving any remaining problems.

Please acknowledge receipt by signing and faxing this sheet to me at 732-368-6932.

Received and acknowledged: Wendy Taylor Date: 4/10/00
Reference No: 477-018

Expected Filing Date: 7/15/00

Wendy W. Koba
Patents, Trademarks, & Copyrights
P.O. Box 556
Springtown, PA 18081

Courier Address:
Wendy W. Koba, Esq.
540 Summit Lane
Riegelsville, PA 18077

Telephone: 610-346-7112
Facsimile: 610-346-8189
Email: wendykoba@usa.net

Tuesday, April 11, 2000

Eric Cosatto
AT&T Corp.
Room 3-124
100 Schultz Drive
Red Bank, New Jersey 07701

*RECEIVED
APR 11 2000
AT&T CORP.*
Re: IDS No. 2000-0042
Title: "Audio-Visual Unit Selection For The Synthesis Of Photo-Realistic Talking Heads"

Dear Eric:

The above-referenced patent submission has been sent to me to prepare. I will be contacting you soon if I need additional information to formulate a first draft.

If you have any additional information on this submission beyond what you have sent to the IP-Law group, please let me know.

Feel free to contact me at the above number or e-mail me if you have any questions.

Sincerely,

Wendy W. Koba